

FIG. 1

Customer ID	← Business attribute #1	204
Order #	← Business attribute #2	202
Ship date	214	206
SKU1		
Number of orders for SKU1		
Inventory level for SKU1	← Business metric #1	210
SKU2		
Number of orders for SKU2		208
Inventory level for SKU2	← Business metric #2	212
.		
.		

FIG. 2

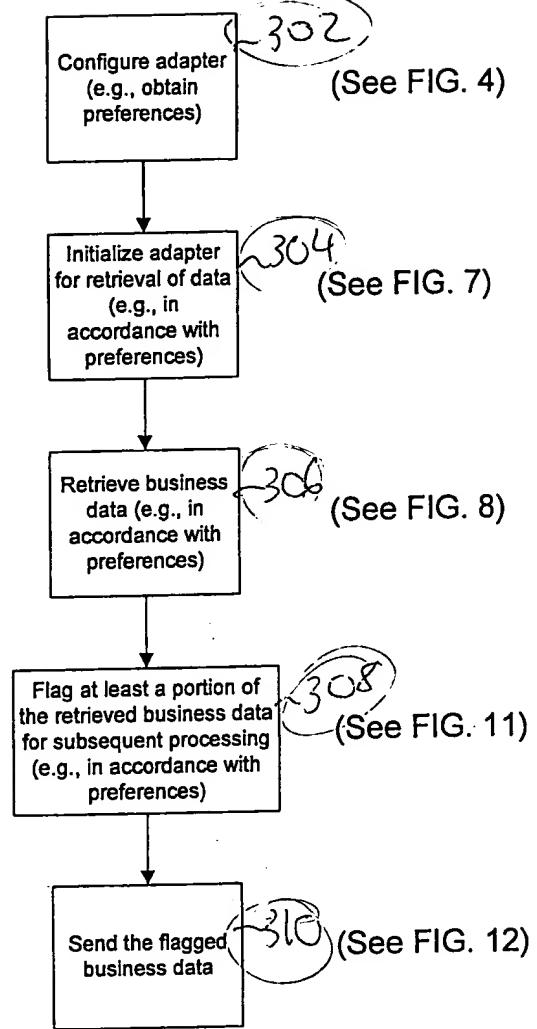


FIG. 3

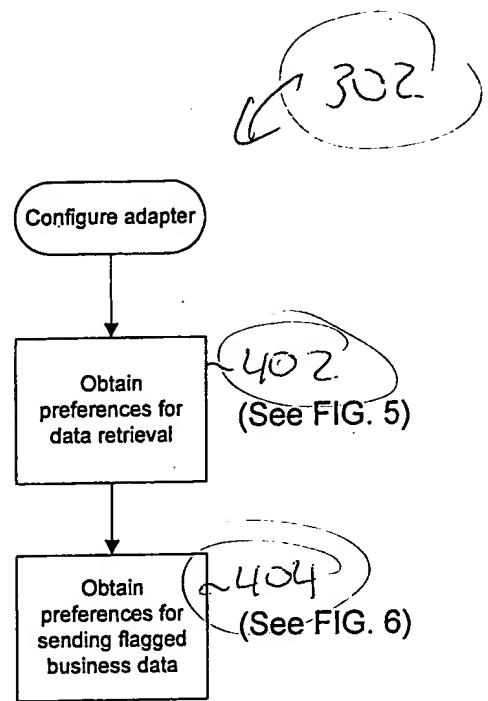
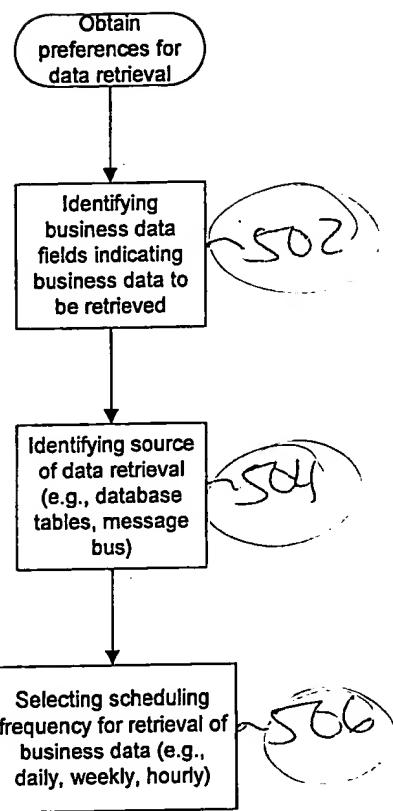


FIG. 4



FIG/5

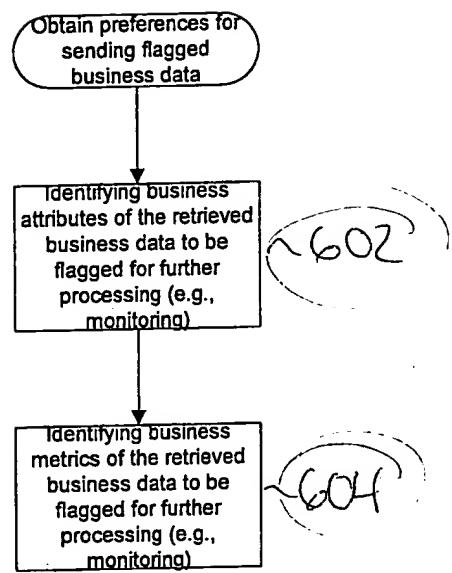


FIG. 6

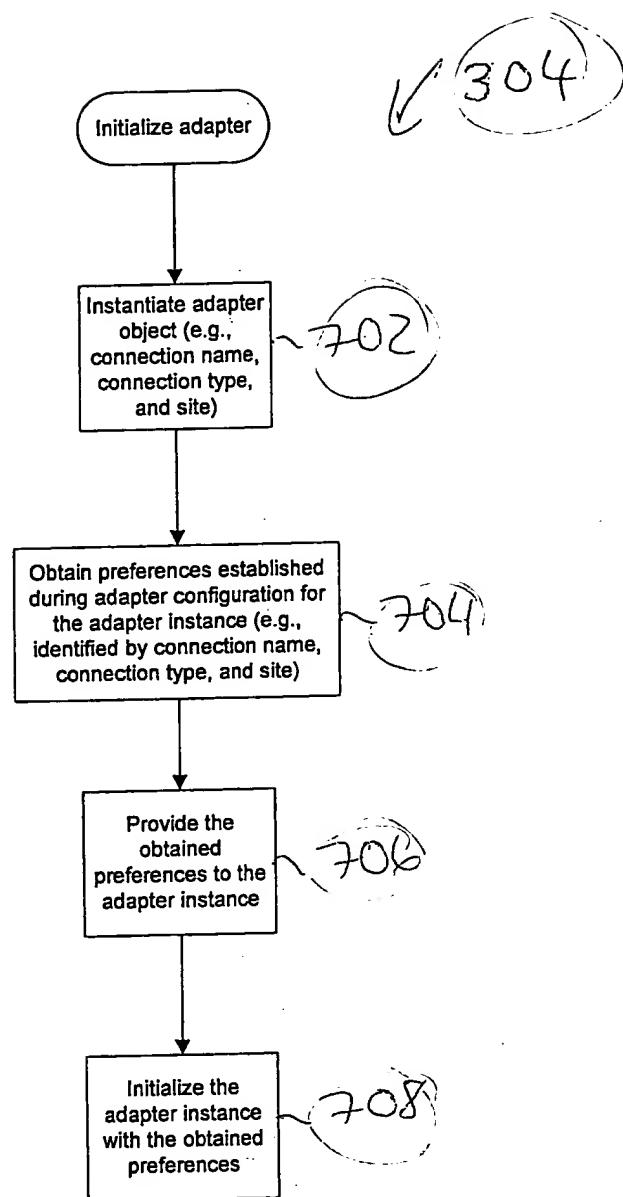


FIG. 7

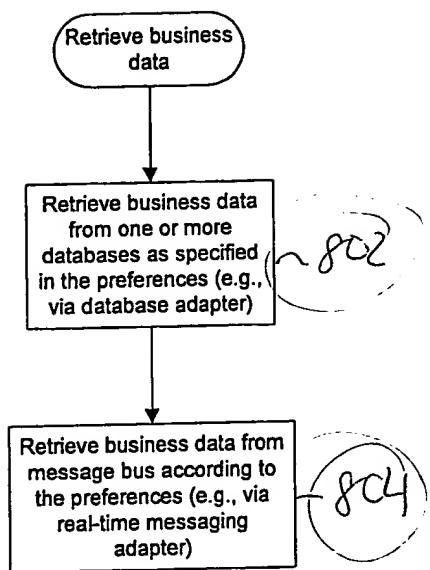


FIG. 8

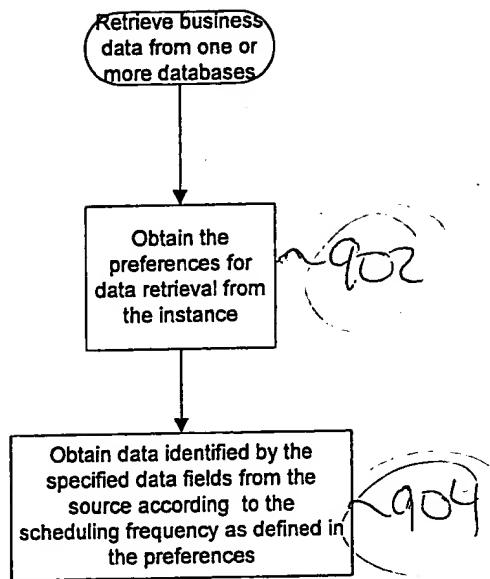


FIG. 9

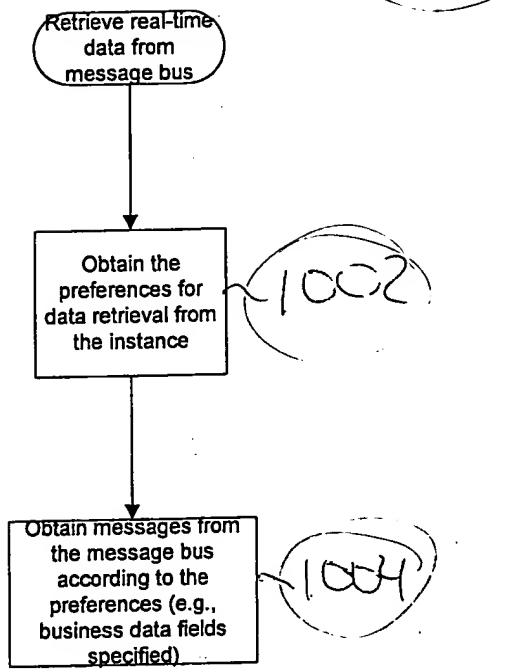


FIG. 10

1102

1106

1104

Attribute name	Data type	Attribute value	Attribute #	Metric value flag
Customer	String	"SHOES INC"	1	
Order No.	Integer	42859	2	
Ship date	String	"01/04/01"		
SKU1	Integer	000195		
Number of orders - SKU1	Integer	4		
Inventory level for SKU1	Integer	97		1
SKU2	Integer	000228		
Number of orders - SKU2	Integer	16		
Inventory level for SKU2	Integer	31		2

FIG. 11

Message

Subject name	1202
Array (see FIG. 11)	1204

FIG 12

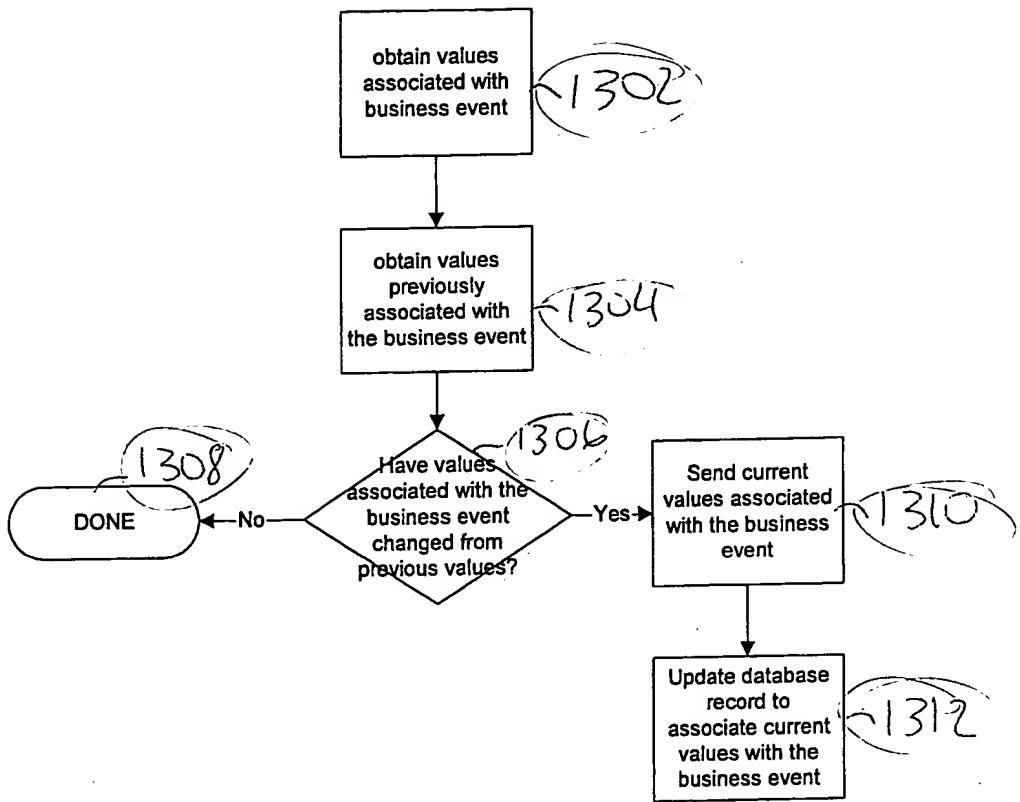


FIG. 13

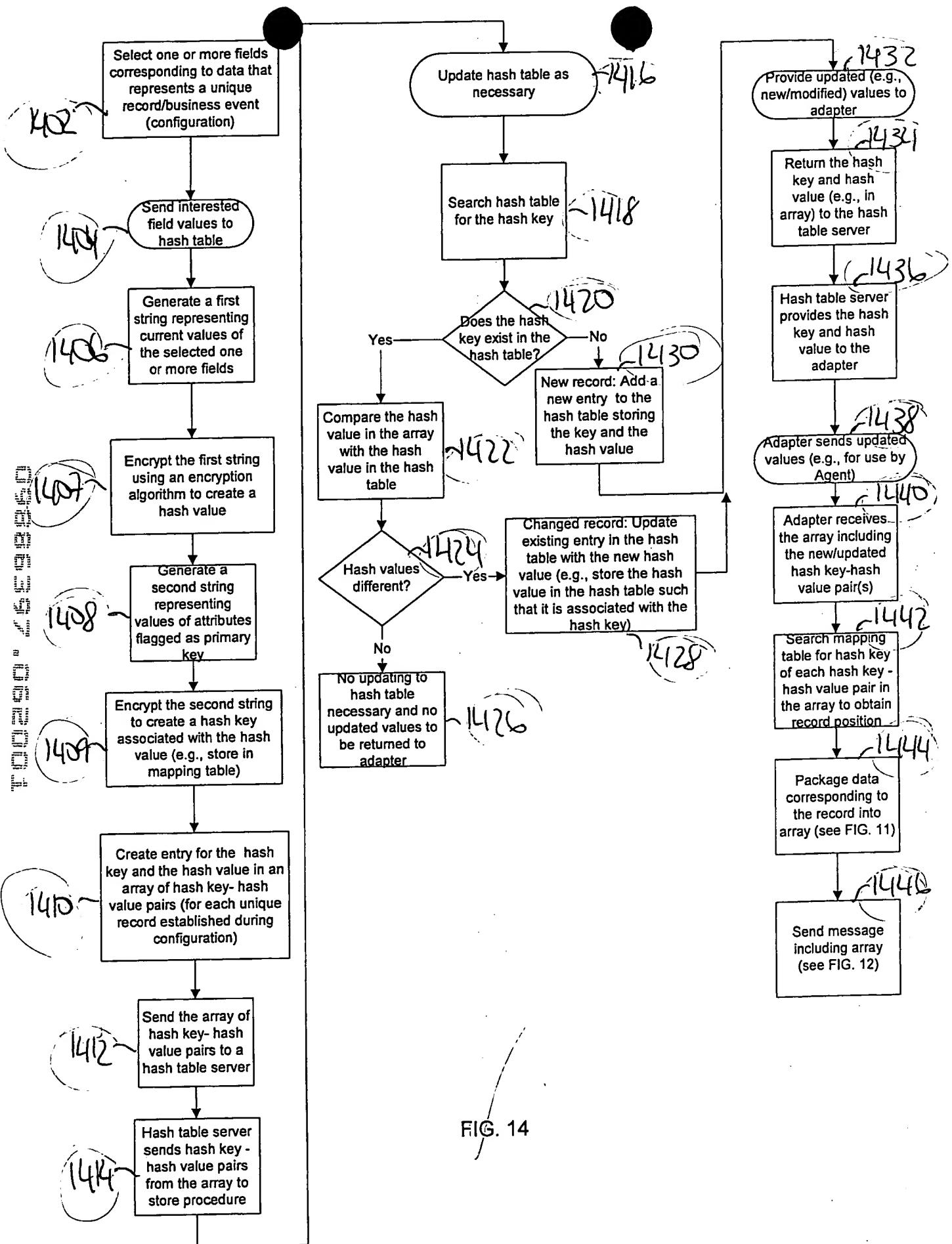


FIG. 14

1502      1504

Hash key	Hash value
Key 1	String 1
Key 2	String 2

FIG. 15

1602      1604

Mapping Table

Hash key	Original record position (e.g., pointer)

FIG. 16

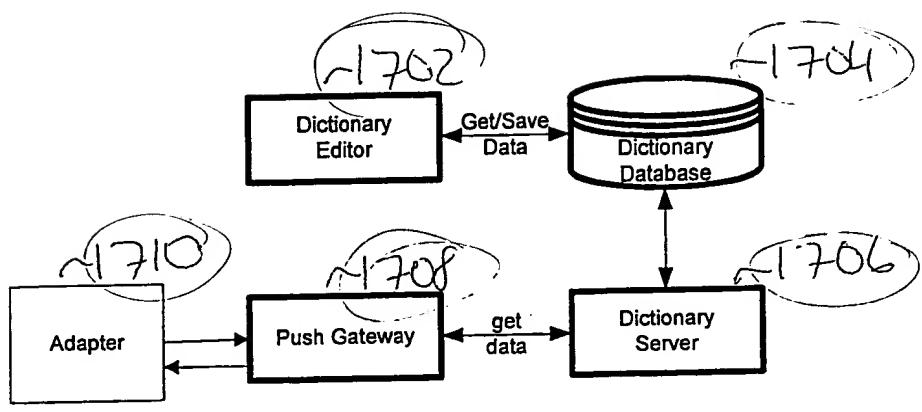


FIG. 17

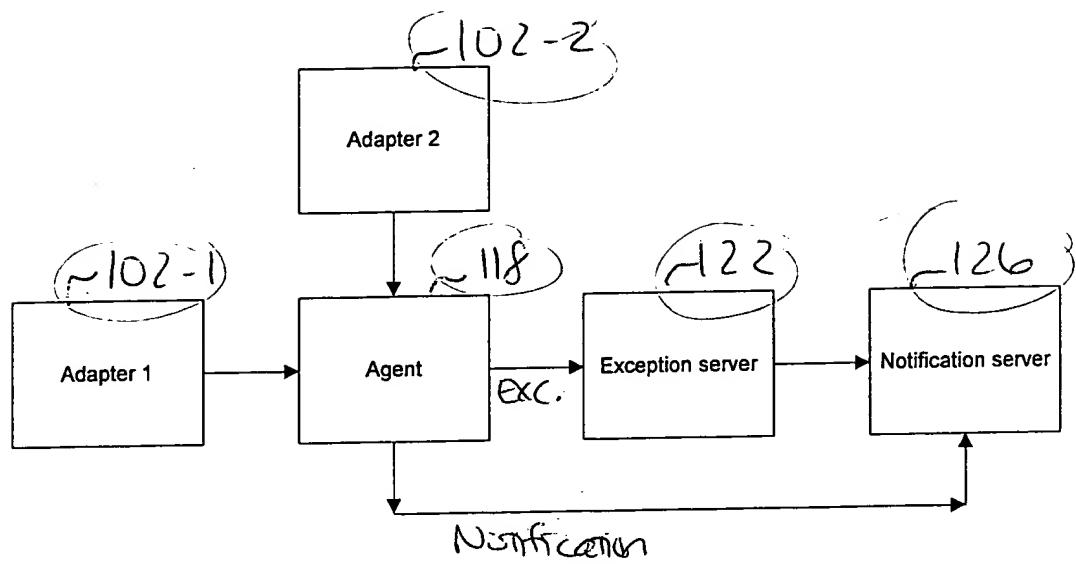


FIG. 18

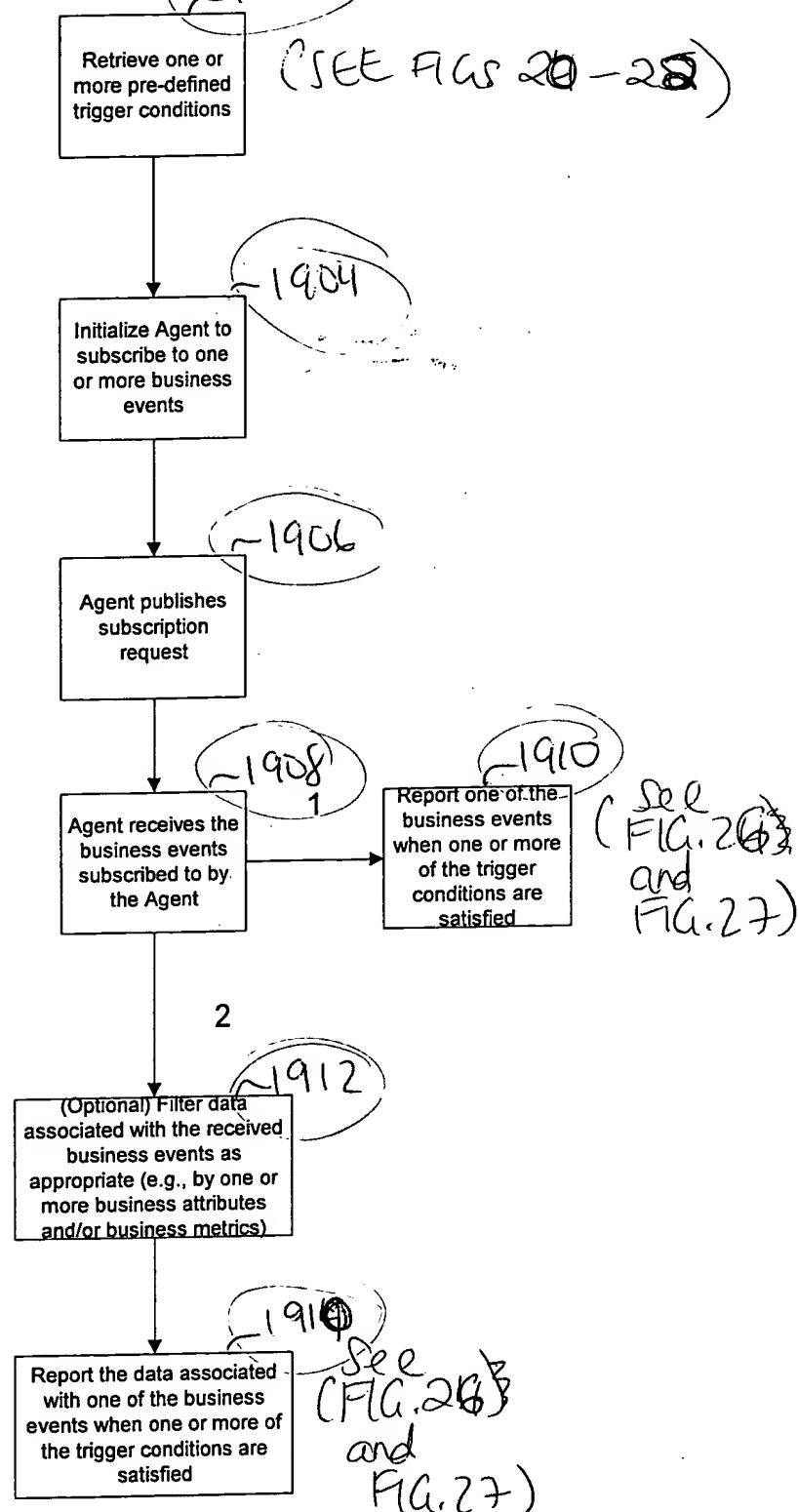


FIG. 19

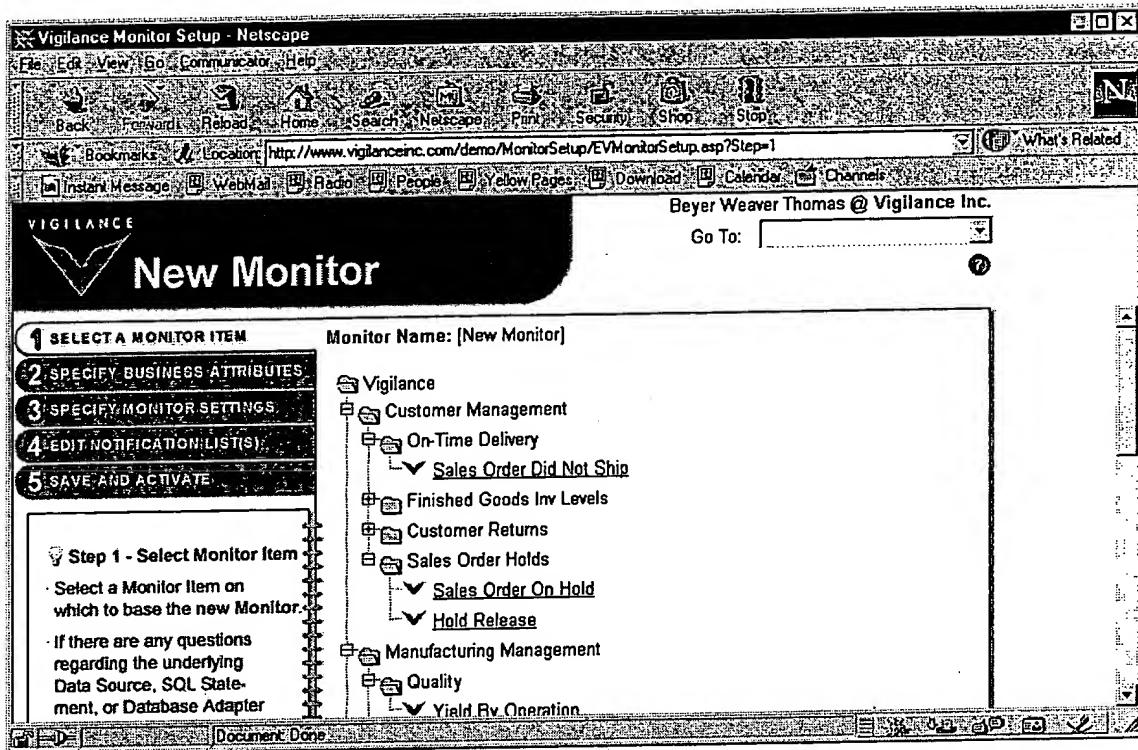


FIG. 20

Vigilance Monitor Setup - Netscape

File Edit View Go Communicate Help

Back Forward Reload Home Search Netscape Print Security & Shop Web Steps

Bookmarks Location: http://www.vigilanceinc.com/demo/MonitorSetup/EVMonitorSetup.asp?MonitorItem-lateshipment&Step=2 [?] What's Related

Instant Message WebMail Radio People Yellow Pages Download Calendar Channels

Beyer Weaver Thomas @ Vigilance Inc.

Go To:

**VIGILANCE**

## New Monitor

1. SELECT A MONITOR ITEM      Monitor Name: (New Monitor)      STEP 1   STEP 3

2. SPECIFY BUSINESS ATTRIBUTES      Monitor Item: Sales Order Did Not Ship

3. SPECIFY MONITOR SETTINGS

4. EDIT NOTIFICATION LIST(S)

5. SAVE AND ACTIVATE

**Step 2 - Specify Business Attribute Values**  
 Business Attribute Values are case-sensitive.  
 Business Attribute Values are optional.

**Business Attribute: Order**  
 Enter/Select Attribute Values      Track These Values  
 [All Values]

**Business Attribute: Product Family**  
 Enter/Select Attribute Values      Track These Values  
 [All Values]

**Business Attribute: Plant**

Document: Done

FIG. 21

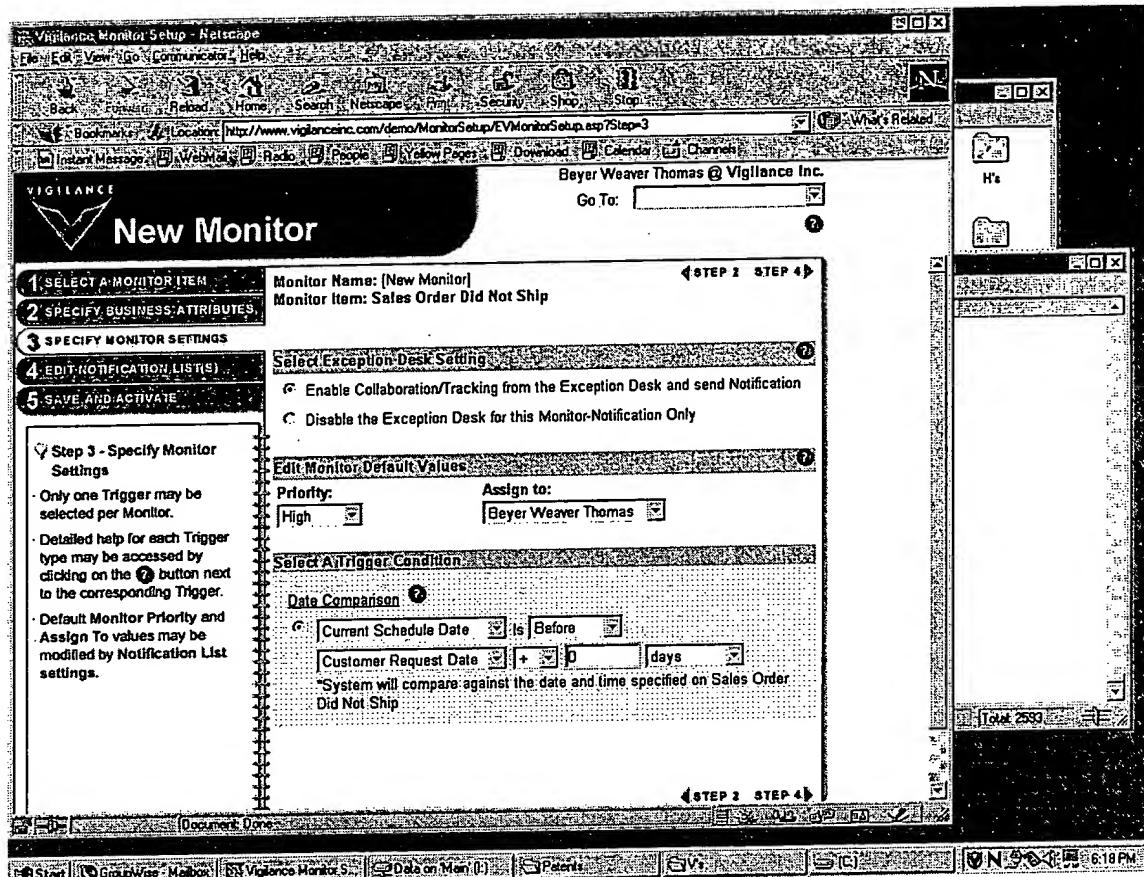


FIG. 22

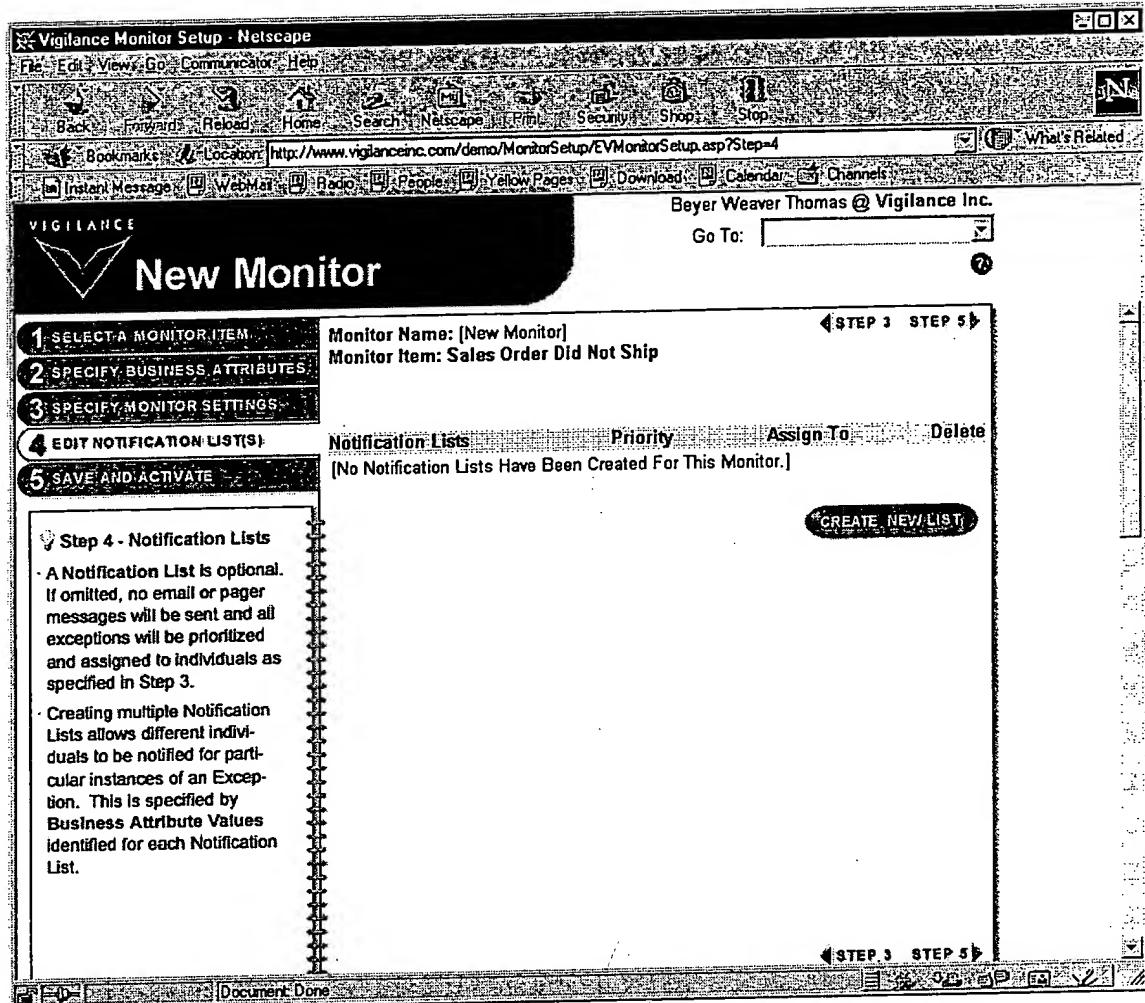


FIG.23

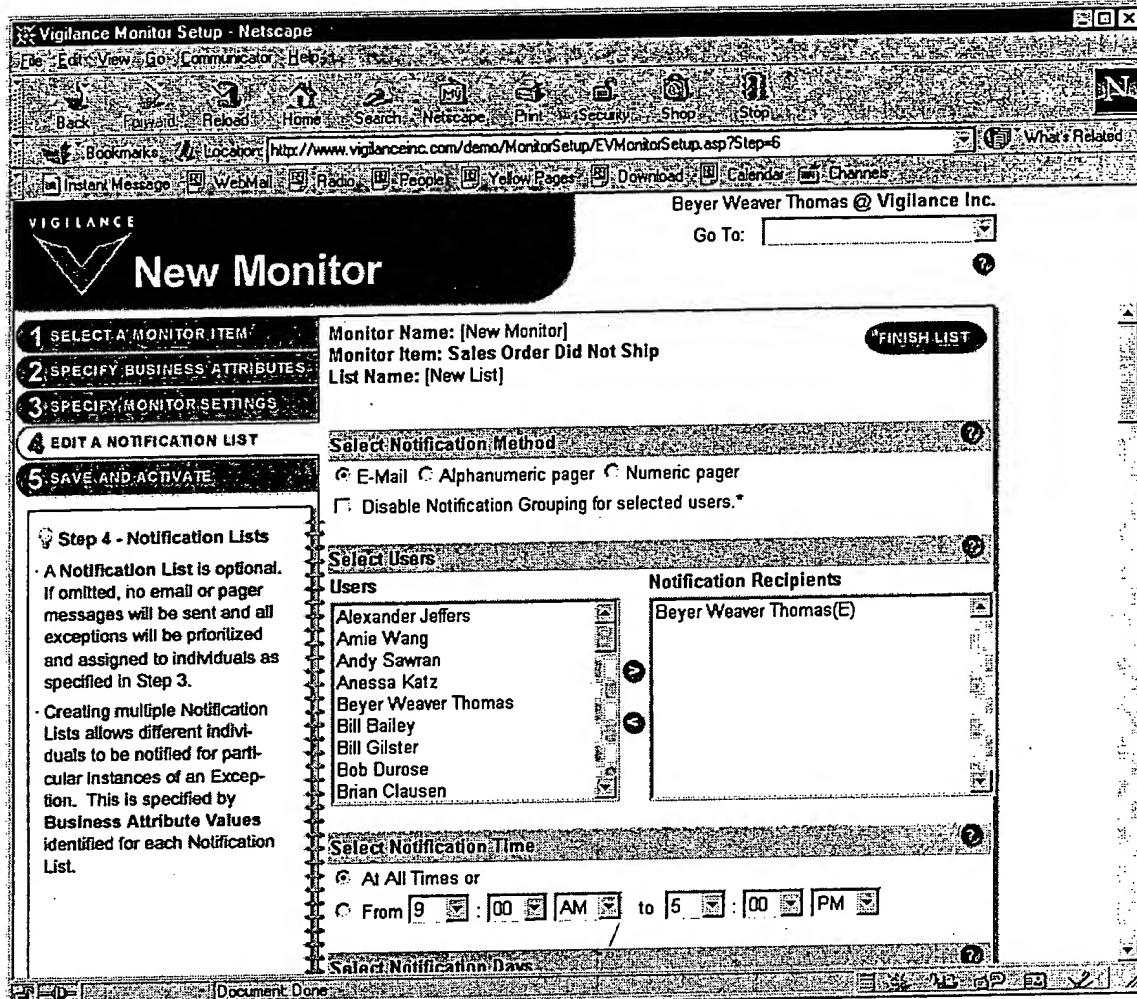


FIG. 24A

Vigilance Monitor Setup - Netscape

File Edit View Help Communicator Help

Back Forward Reload Home Search Netscape Print Security Shop Stop

Bookmarks Local: http://www.vigilanceinc.com/demo/MonitorSetup/EVMonitorSetup.asp?Step=6

Instant Message WebMail Radio People Yellow Pages Download Calendar Channels

Beyer Weaver Thomas @ Vigilance Inc.

Go To: ?

**VIGILANCE**

## New Monitor

**Select Notification Days**

Everyday or  
  M,  Tu,  W,  Th,  F,  Sa,  Su

**Select Notification Delay**

Notify immediately, no delay.  
 Notify after  days  
 Notify when Exception Status is  Closed

**Field-Based Notification (Based on Email Address or Alias)**

Use Field-Based Notification  
[Select One Monitor Item Attribute]

Enable Safety Net [Select One User]

Notification Method:  
 E-Mail  Alphanumeric Pagers  Numeric Pagers

**Notify These Recipients For**

All exceptions of this monitor  
 Specific exceptions of this monitor (By Business Attributes)

Document Done

FIG. 24B

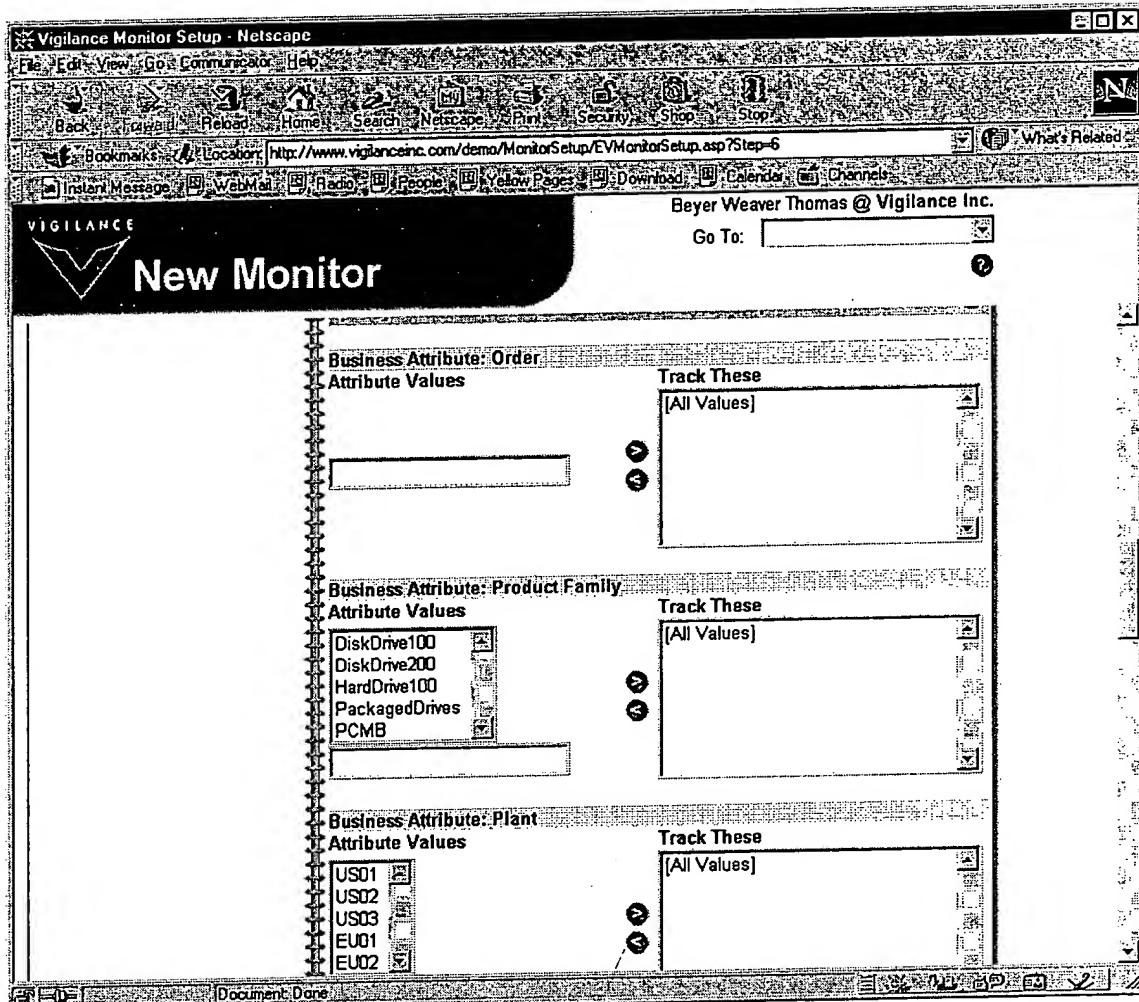


FIG. 24C

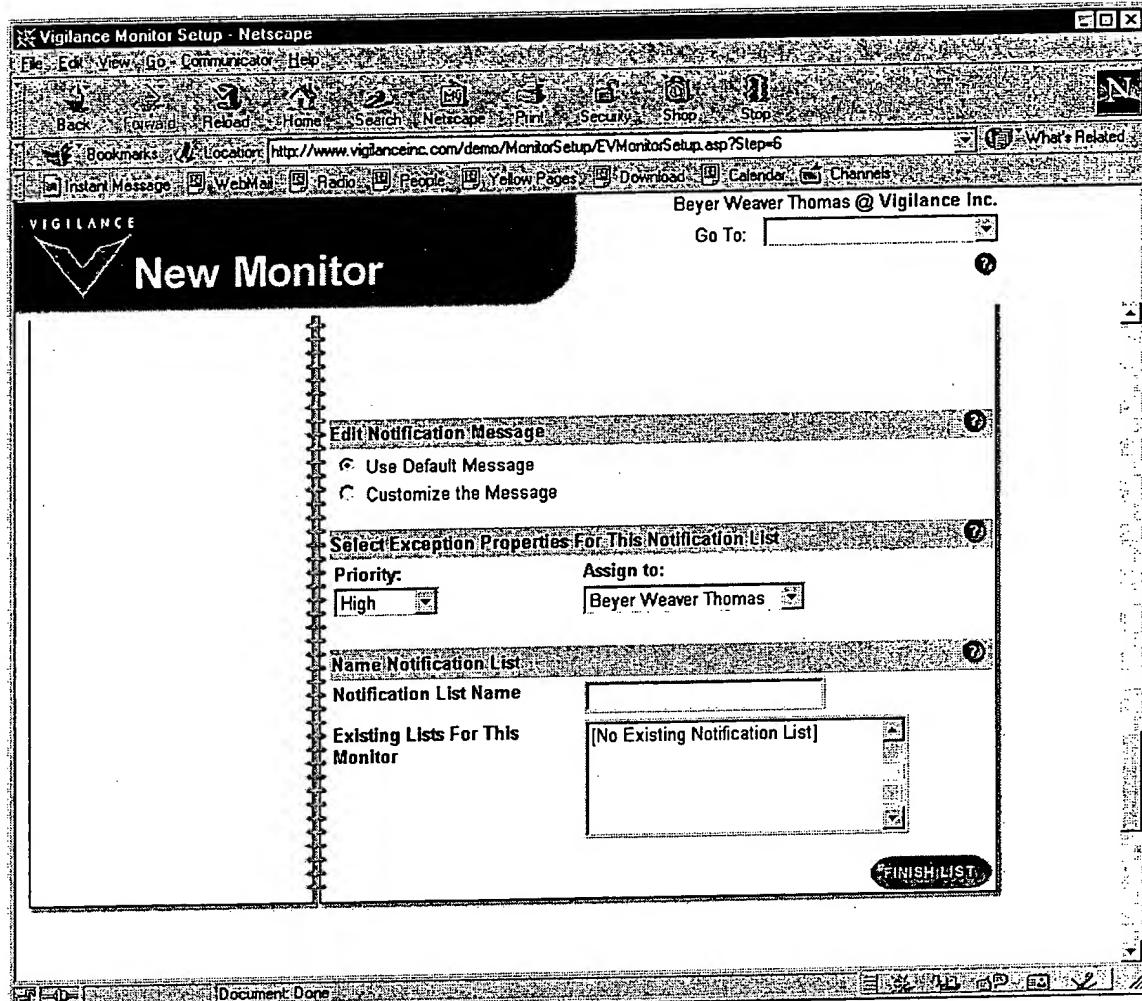


FIG. 24D

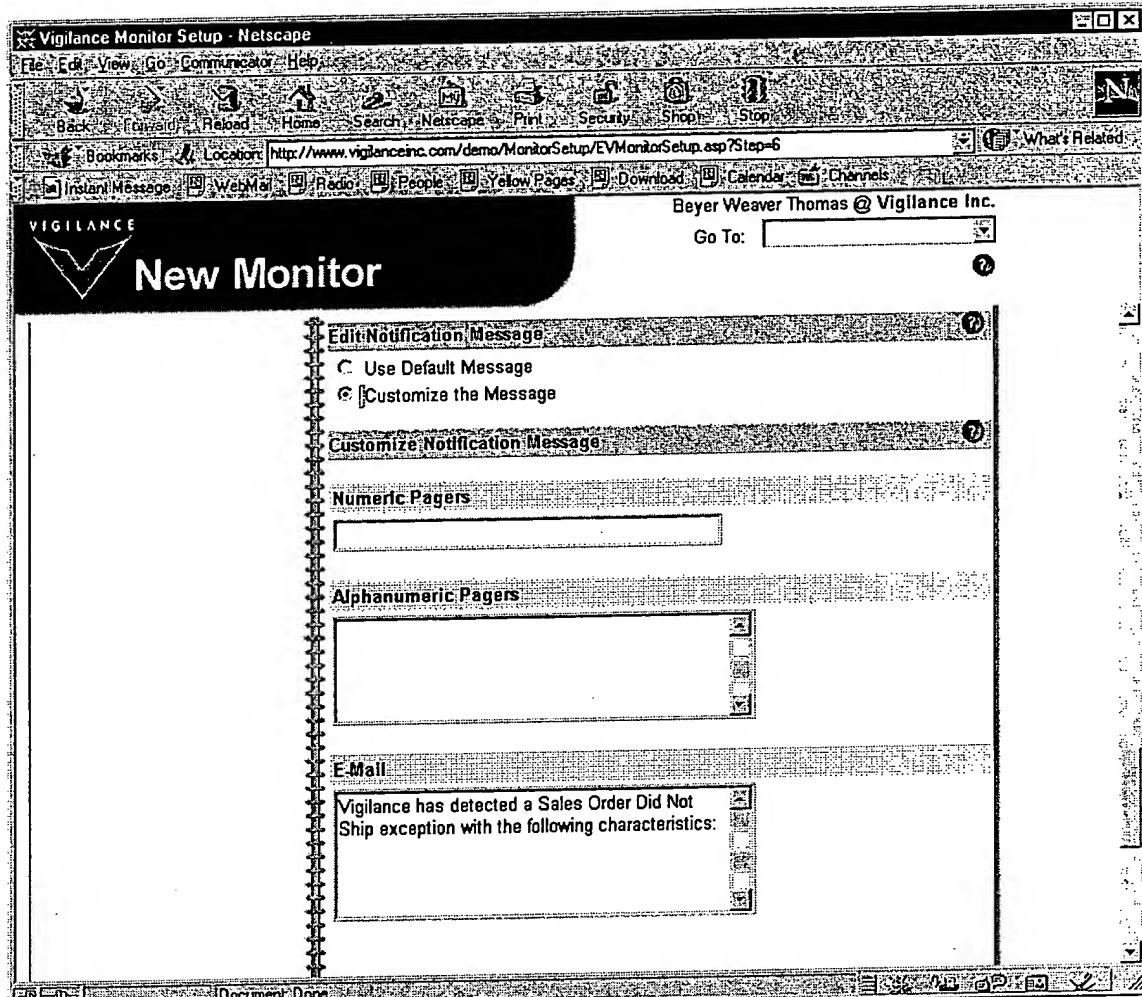


FIG. 24E

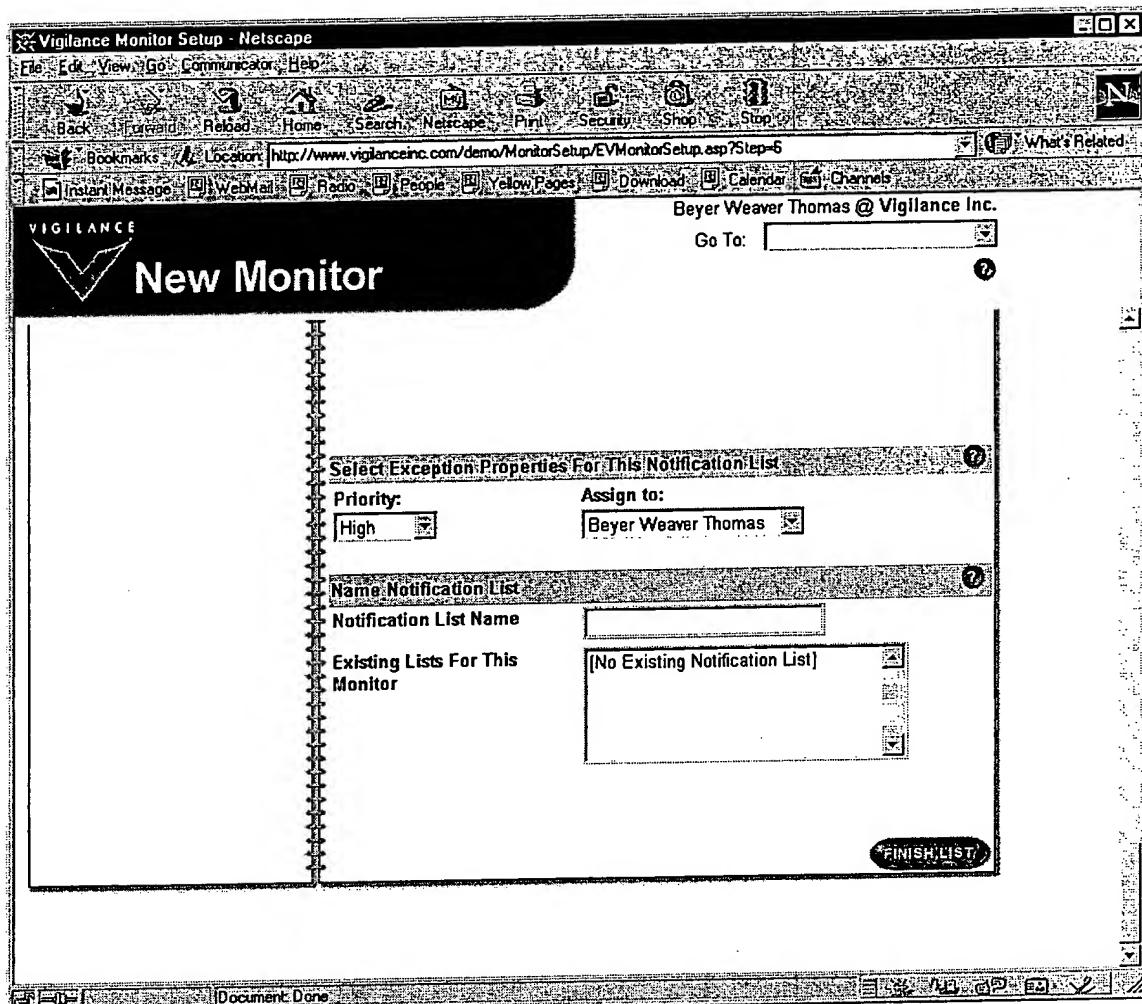


FIG. 24F

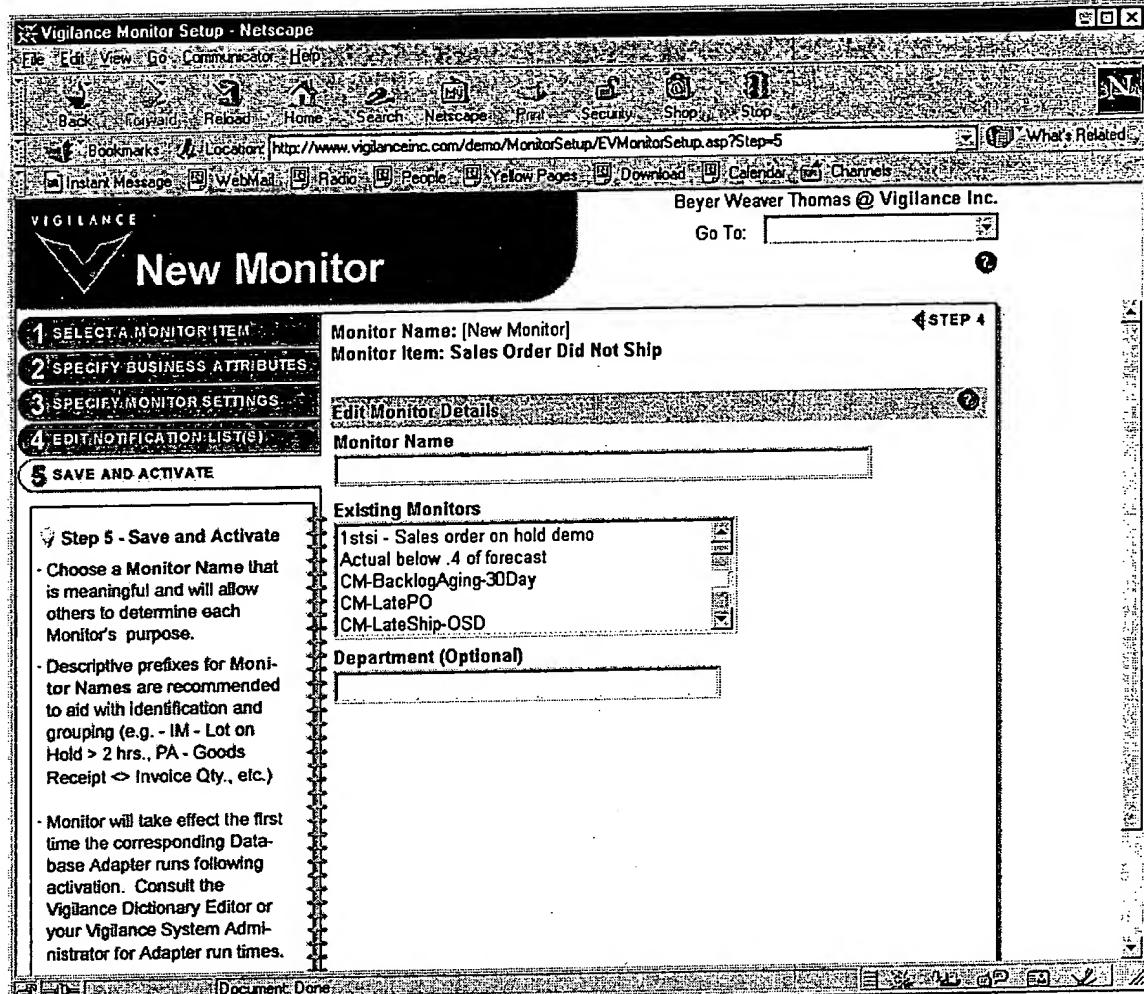
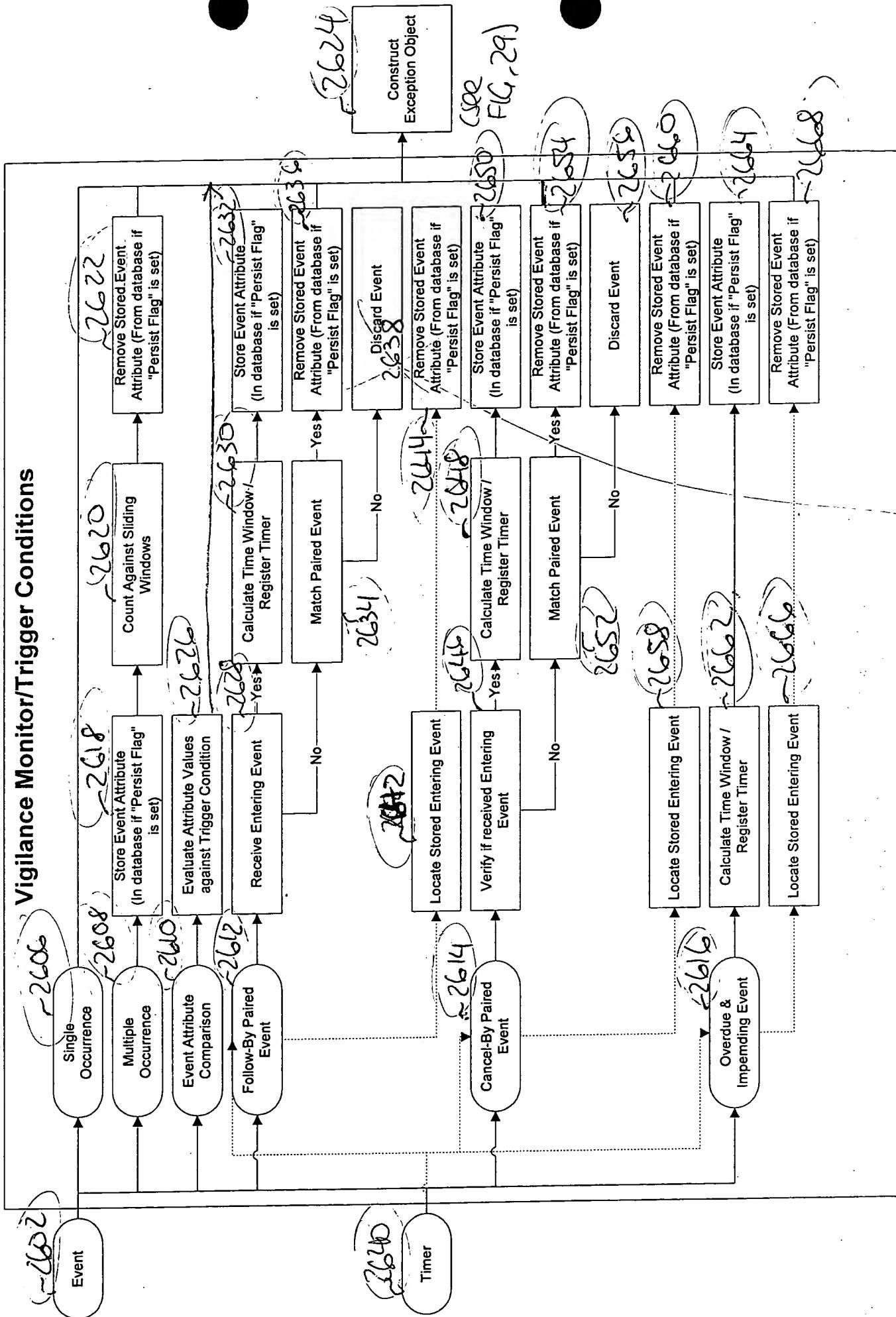


FIG. 25

## Vigilance Monitor/Trigger Conditions



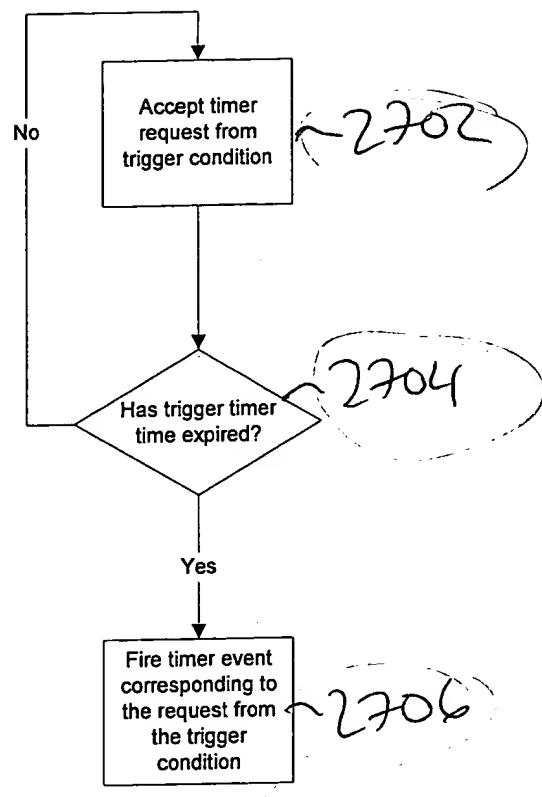


FIG. 27

Monitor object

Monitor Name 2802
Monitor Author 2804
Condition 2806
One or more attributes 2808 (e.g., including one or more values)
Notification 2810
Assignment 2812

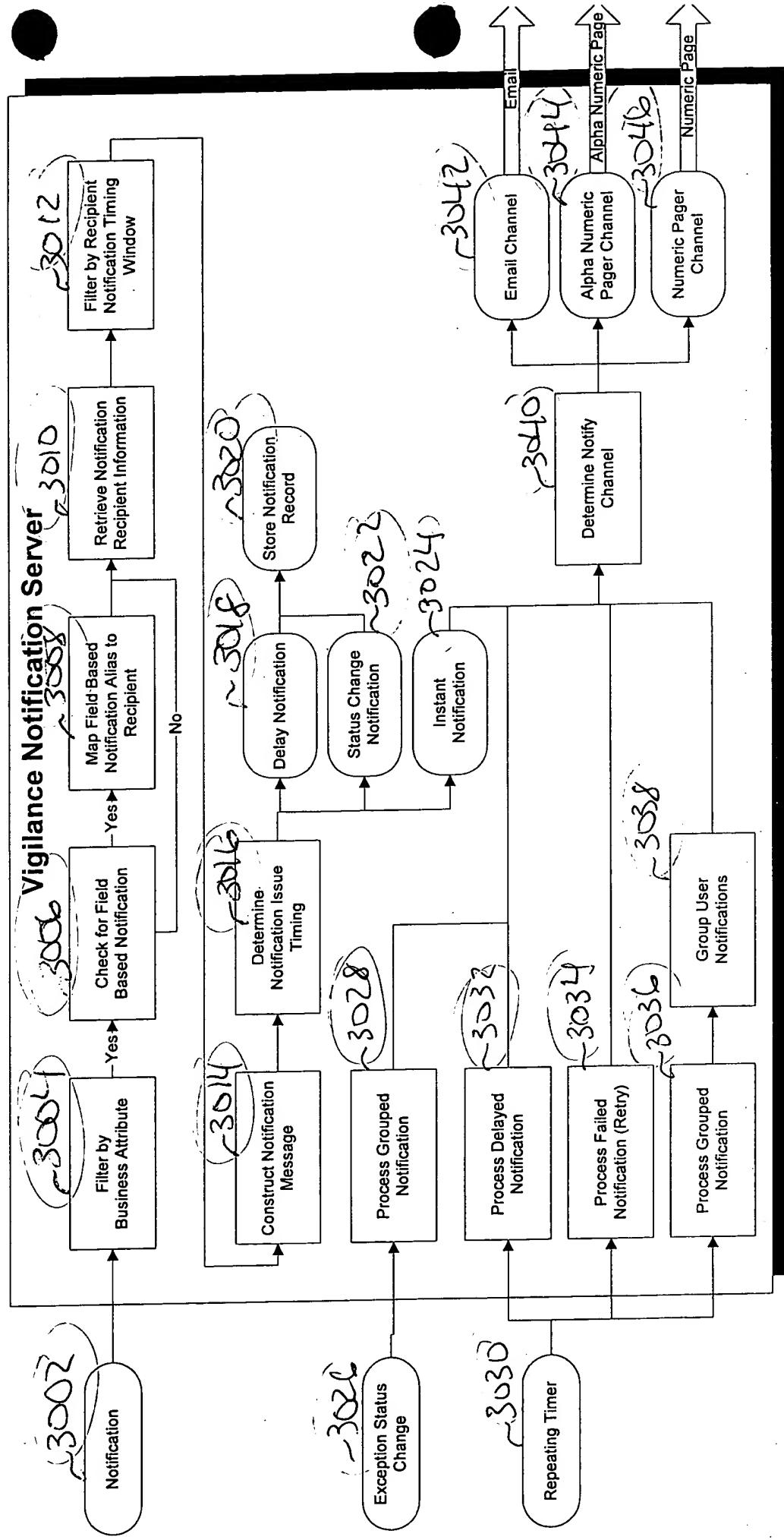
FIG. 28

Exception object

Exception identifier 2902	Exception description 2904	Event identifier 2906
Trigger condition 2908	Trigger type 2910	One or more attributes (e.g., business metrics) 2912
One or more attribute values 2914	Monitor name 2916	Monitor item 2918
Notification/exception 2920	Assign to 2922	Priority 2924
Detection time 2926	Analysis 2928	Analysis author 2930

FIG. 29

FIG. 30



SCANNED # 0

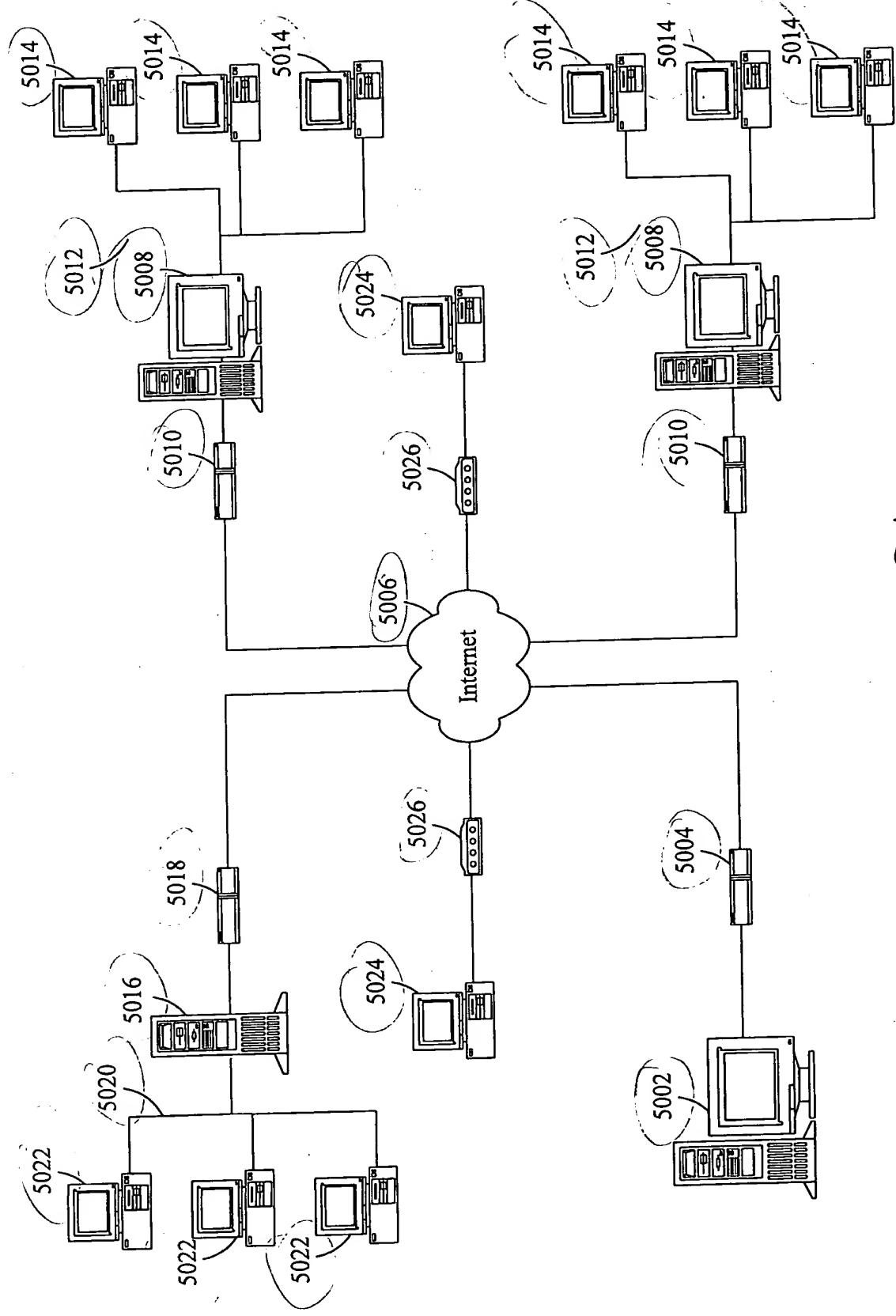


FIG. (3)